

Reference List

Antimicrobial Properties of Silver

L. Strausbaugh, K. Crossley, Brenda A, L. Thrupp. "Shea Position Paper: Antimicrobial Resistance in Long-Term-Care Facilities". 1996 *Infection Control & Hospital Epidemiology*. **17(2)**: 129-139.

http://www.shea-online.org?Assets/filesposition_papers?abxR-LTCF96.pdf

C. Muto, J. Jernigan, B. Ostrowsky, H. Ricket, W. Jarvis, J Boyce, B. Farr. "SHEA Guideline for Preventing Nosocomial Transmission of Multidrug-Resistant Strains of *Staphylococcus aureus* and *Enterococcus*" 2003 *Infection Control & Hospital Epidemiology*. **24(5)**: 362-386.

http://www.shea-online/Assets/files/position_papers/SHEA_MRSA_VRE.pdf

D. Shlaes, D. Gerding, J. John, W. Craig, D. Bornstein, R. Duncan, et al. "Shea Position Paper: Society for Healthcare Epidemiology of America and Infectious Diseases Society of America Joint Committee on the Prevention of Antimicrobial Resistance: Guidelines for the Prevention of Antimicrobial Resistance in Hospitals". 1997 *Infection Control & Hospital Epidemiology*. **18(4)**:275-291.

http://www.shea-online.org/Assets/files/position_papers/AntimicroResist97.pdf

J. Ballard. "Effective Prevention Programs Include Proactive Measures". 2007.

<http://www.infectioncontroltoday.com/articles/399/77h1614321470017.html>

IDSA. "Bad Bugs, No Drugs as Antibiotic Discovery Stagnates. A Public Health Crisis Brews". 2004.

<http://www.idsociety.org/assets/0/16/30/164/1268/1288/83f8fcodf4384d54b583b8030459093a.pdf>

US Department of Labor Occupational Safety & Health Administration: "MRO-Multi-Resistant Organisms: <http://www.osha.gov/SLTC/etools/hospital/hazards/mro.html>

R. Lewis. "The Role of Antibiotic Resistant Infections" 1995.

http://www.fda.gov/fdac/features/795_antibio.html

Centers for Disease Control & Prevention: "Multidrug Resistant Organisms in Non-Healthcare Settings: 2000. http://www.cdc.gov/ncidod/dhqp/ar_multidrugFAQ.html

Centers for Disease Control and Prevention: "Guidelines for the prevention of intravascular-catheter-related infections". *MMWR Recomm. Rep* 2002 , **51(RR-10)**:1-37

Centers for Disease Control: "Management of Multidrug Resistant Organisms in Health Care Settings" 2006. <http://www.cdc.gov/ncidod/dhqp/pdf/av/mdroGuideline2006.pdf> 1-74

D. Stevens, A. Bisno, H. Chambers., et al. "Practice Guidelines for the Diagnosis and Management of Skin and Soft-Tissue Infections". *Clinical Infectious Diseases* 2005. **41**:1373-1406

A. Hartmemann-Heurtier, J. Robert, S. Jacqueminet, G. Ha van, J. L. Golmard, V. Jarlier, A. Grimaldi (2004) "Diabetic foot ulcer and multidrug-resistant organisms: risk factors and impact. *Diabetic Medicine* **21**(7):710-715.

RP Wenzel and MB Edmond, "The Impact of Hospital-Acquired Bloodstream Infections, Emerging Infectious Diseases (Atlanta: CDC, March /April, 2001)
www.cdc.gov/ncidod/EID/index.htm

S. Cacalini, F. Palmieri, and N. Petrosillo, "Clinical review: New Technologies for prevention of intravascular catheter-related infections: *Critical Care* 2004, **8**:157-162.

D Tolber and L. Warner. "Nanotech Silver Fights Microbes in Medical Devices" *MDDI* 2005. www.devicelink.com/mmdi/archive

R. Mosher, Silver: Metal of Many Faces," Dartmouth Toxic Metal Research Program (Hanover, NH: Centers for Environmental Health Sciences at Dartmouth, 2001)
www.dartmouth.edu/~toxmetal/TXSHag.shtml

K. Simpson, "Using Silver to Fight Microbial Attack," Plastic and Adhesives and Compounding (Oxford, UK:Elsevier) *Advanced Technology*, 2003.

H. Hanna, I. Raad, and R. Darouiche, "New Approaches for Prevention of Intravascular Catheter- Related Infections. *Infect Med* 2001 ;**18**(1): 38-48.

J. Lewis, "Notes on Silver Foil in Surgery" . *Ann Surgery* . 1909 October, **50**(4): 793-796.
www.ncbi.nlm.nih.gov/pmc/articles/PMC1407167/

T. Elliott, "Role of antimicrobial ventral venous catheters for the prevention of associated infections". *Journal of Antimicrobial Chemotherapy*, 1999, **43**, 441-446.

AB Lansdown, "Silver in health care: antimicrobial effects and safety in use". *Curr Problems Dermatology* 2006, **33**: 17-34

G. Yim. "Attack of the Superbugs: Antibiotic Resistance. *The Science Creative Quarterly*. 2007 (3), 1-8. <http://www.scq.ubc.ca/?p=40>

D. Mayworm, "Is Silver the New Gold Standard Against Infections? *Outpatient Surgery*, 2007, www.outpatientsurgery.net/2007/os01/infection_prevention.php

T. Nordenberg. "Miracle Drugs vs. Superbugs; Preserving the Usefulness of Antibiotics". FDA Consumer Magazine. http://www.fda.gov/features/1998/698_bugs.html

C. Parker, J. Kutsogiannis, J. Muscedene, D. Cook, P. Dodek, A. Day, D. Heyland. "Outcomes from Ventilator Associated Pneumonia caused by MDRO or Pseudomonas, results from 28 Intensive Care Units". Poster Presentation. *Critical Care*. 2007. **11**(supp 2): pg 89.

CHG Resistance

Cloning of a Cation Efflux Pump Gene Associated with Chlorhexidine Resistance in Klebsiella pneumoniae. 2002. Antimicrobial Agents and Chemotherapy. Vol 46, No. 6 pg 2024-2028.

Antiseptic and Antibiotic Resistance Plasmid in Staphylococcus aureus That Possesses Ability to Confer Chlorhexidine and Acinol Resistance. 1988. Antimicrobial Agents and Chemotherapy. Vol 32, No. 6. pg 932-935.

Frequency of Biocide Resistance Genes, Antibiotic Resistance and the Effect of Chlorhexidine Exposure on Clinical MRSA Isolates. Journal of Antimicrobial Chemotherapy. 2008. Vol 61. No 3. pg 524-532.

Tumah, HN. "Bacterial biocide resistance". 2009. J Chemotherapy. Feb;21(1): 5-15.
<http://ncbi.nlm.nih.gov/pubmed/19297266>

McDonnell, G. Russell, AD., "Antiseptics and disinfectants: activity, action and resistance. 1999. Clinical Microbiology Rev. 12:147-179.

Adverse Reactions to CHG

Chlorhexidine-pubchem public chemical data base.

<http://www.pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?sid=919#safety>

Parkes, AW., Harper, N., Herwadkar, A., Pumphrey, R. "Anaphylaxis to the Chlorhexidine component of Instillagel: a case series". 2009. British Journal of Anaesthesia 102(1):65-8.

Visscher, M., deCastro, MV., Combs, L., Perkins, L., Winer, J., Schwegman, N., Burkhardt, C., and Bondurant, P. "Effects of Chlorhexidine gluconate on the skin integrity at PICC line sites". 2009. Journal of Perinatology advanced online publication 20 August.
<http://www.nature.com/jp/journal/vaop/ncurrent/full/jp2009116a.html>

McCoy, LC; Wehler, CJ; Rich, SE; Garcia, RI; Miller, DR; Jones, JA. "Adverse events associated with Chlorhexidine use". 2008. Journal American Dental Association. 139: 178-183.

Garvey, LH.; Kroigaard, M.; Poulsen, LK.; Skov, PS.; Mosbech, H.; Venemaim, L.; Degerbeck F.; Husum, B. "IgE-mediated allergy to Chlorhexidine" J Allergy and Clinical Immunology. Aug;120(2); 409-15. <http://ncbi.nlm.nih.gov/pubmed/17559915>

Allergic contact dermatitis to Chlorhexidine and para-amino compounds in a 4-year old boy. <http://www.ncbi.nlm.nih.gov/pubmed/18353033>

Wills, A. "Chlorhexidine anaphylaxis in Auckland". British Journal of Anesthesiology. 2009. May; 102(1):65-68. <http://www.ncbi.nlm.nih.gov/pubmed/19359402>

Jee R., Nel L., Gnanakumaran G., Williams, A., Eren, E. "Four Cases of anaphylaxis to chlorhexidine impregnated central venous catheters: a case cluster or the tip of the iceberg?" 2009. British Journal of Anesthesia. Oct;103(4):614-615.

<http://www.ncbi.nlm.nih.gov/pubmed/19749118>

Lim, KS., Kam, PC. "Chlorhexidine-pharmacology and clinical applications". 2008. Anesthesia Intensive Care. Jul;36(4)- 502-12.

<http://www.ncbi.nlm.nih.gov/pubmed/18714617>

ABae, YJ., Park, CS., Jeong,E., Kim, TB., Cho, YS., Moon, HB. "A case of anaphylaxis to Chlorhexidine during digital rectal examination". 2008. Journal Korean Medicine. Jun;23(3): 526-528. <http://www.ncbi.nlm.nih.gov/pubmed/18583893>

Beaudouin, E., Kanny, G., Morisset, M., Renaudin, JM., Mertes, M., Laxenaire, MC.,Mouton, C., Jacson, F., Moneret-Vautrin, DA. ; "Immediate hypersensitivity to Chlorhexidine: literature review". 2004. European Ann Allergy and Clinical Immunology. Apr;36(4):123-6. <http://www.ncbi.nlm.nih.gov/pubmed/15180352>

Goon, AT., White IR., Rycroft, RJ., McFadden, JP., "Allergic contact dermatitis from Chlorhexidine". 2004. Contact Dermatitis. Mar; 15(1):45-47.

<http://www.ncbi.nlm.nih.gov/pubmed/15573648>

Krautheim, AB., Jermann, TH., Bircher, AJ., "Chlorhexidine anaphylaxis: case report and review of the literature." 2004. Contact Dermatitis. Mar;50(3):113-6.

<http://www.ncbi.nlm.nih.gov/pubmed/15153122>

Pittaway, A., Ford, S., "Allergy to Chlorhexidine-coated central venous cathetersd". 2002. British Journal Anesthesiology. Feb; 88(2): 304-305.

<http://www.ncbi.nlm.nih.gov/pubmed/11878670>

Stephens, R., Mythen, M., Kallis, P.,Davies, DW., Egner, W., Rickards, A. "Two episodes of life-threatening anaphylaxis in the same patient to a chlorhexidine-sulphadiazine-coated central venous catheter". 2001. British Journal of Anesthesia. Aug;87(2):306-308.

<http://www.ncbi.nlm.nih.gov/pubmed/11493510>

Lockhart, As., Harle, CC.; "Anaphylactic reactions due to chlorhexidine allergy." 2001 British Journal Anaesth. Aug;87(2):306-308